

Converting Colors

$Y_{xy}(56.4611, 0.2242, 0.3192)$

Have a look what the booklet for
Yxy(56.4611, 0.2242, 0.3192)
contains.

Yxy(56.4611, 0.2242, 0.3192)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(56.4611, 0.2242, 0.3192)

Conversions

Conversions Part 1

Format	Color
Hex	20DBE2
RGB	32, 219, 226
RGB Percent	13%, 86%, 89%
CMY	0.8741, 0.1412, 0.1137
CMYK	0.86, 0.03, 0.00, 0.11
HSL	182°, 77%, 51%
HSV	182°, 86%, 89%
XYZ	39.6572, 56.4611, 80.7648
YIQ	163.8850, -113.6990, -37.4670

Conversions

Conversions Part 2

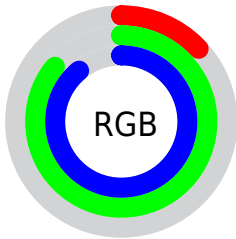
Format	Color
RYB	32, 127, 226
Decimal	2153442
CIELab	79.88, -39.64, -15.74
CIELCh	80, 42.647, 201.661
Yxy	56.4611, 0.2242, 0.3192
Android (android.graphics.Color)	4280343522 (0xFF20DBE2)
YUV	163.8850, 30.6227, -115.6631
Hunter-Lab	75.1406, -37.2885, -11.1294

Details

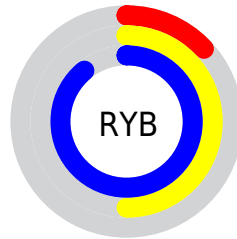
The Yxy color **56.4611, 0.2242, 0.3192** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.7331, 0.6084, 0.3334**, and the grayscale version is **36.9740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **29.1347, 0.2207, 0.3144** is the 20% darker color. If you saturate the color by 10%, you get **55.7906, 0.2221, 0.3180**, and if you desaturate by 10%, it is **57.3856, 0.2280, 0.3204**.

Distribution



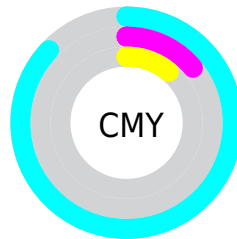
- Red (13%)
- Green (86%)
- Blue (89%)



- Red (13%)
- Yellow (50%)
- Blue (89%)



- Cyan (86%)
- Magenta (3%)
- Yellow (0%)
- Black (11%)





- Cyan (87%)
- Magenta (14%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.4611, 0.2242, 0.3192 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 56.4611, 0.2242, 0.3192 by changing the saturation by 10% instead.

 56.4611, 0.2242,
0.3192

 56.4611, 0.2242,
0.3192


411.4269, 0.2656,
0.3254

 40.5727, 0.2147,
0.3174


 99.6784, 0.2386,
0.3217


 27.9854, 0.2031,
0.3148


 127.7762, 0.2442,
0.3225


 18.3146, 0.1885,
0.3113


 160.7125, 0.2490,
0.3232

 11.1761, 0.1695,
0.3059

 198.8719, 0.2532,
0.3238

 6.1854, 0.1445,
0.2974

 242.6386, 0.2568,
0.3243

 2.9582, 0.1104,
0.2824

292.3970, 0.2601,

 1.1099, 0.0171,

0.3247

0.2659

348.5317, 0.2630,
0.3251

■ 0.0000, 0.0000,
0.0000

■ 56.4611, 0.2242,
0.3192

■ 56.4611, 0.2242,
0.3192

■ 55.7906, 0.2221,
0.3180

■ 57.3856, 0.2280,
0.3204

■ 55.5513, 0.2215,
0.3175

■ 58.6015, 0.2337,
0.3216

■ 60.1464, 0.2413,
0.3229

■ 62.0506, 0.2508,
0.3241

■ 64.3411, 0.2620,
0.3253

■ 67.0422, 0.2748,
0.3264

■ 70.1762, 0.2888,
0.3275

■ 73.7638, 0.3037,
0.3285

■ 77.8244, 0.3193,
0.3294

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.4611, 0.2587, 0.3761



56.4611, 0.2242, 0.3192



56.4611, 0.2122, 0.2723

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



56.4611, 0.2242, 0.3192



56.4611, 0.3078, 0.2564



56.4611, 0.4067, 0.4092

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



56.4611, 0.2242, 0.3192



17.7331, 0.6084, 0.3334

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



56.4611, 0.4244, 0.3707



56.4611, 0.2242, 0.3192



56.4611, 0.3648, 0.2867

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.4611, 0.2242, 0.3192



56.4611, 0.2569, 0.2417



56.4611, 0.4092, 0.3271



56.4611, 0.3640, 0.4302

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.4611, 0.2242, 0.3192



56.4611, 0.2173, 0.2524



56.4611, 0.4092, 0.3271



56.4611, 0.4160, 0.3976

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



56.4632, 0.2242, 0.3192



88.0010, 0.2743, 0.3263



54.8498, 0.2996, 0.5836



18.5588, 0.2697, 0.3260



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.4632, 0.2242, 0.3192



72.9996, 0.2215, 0.3175



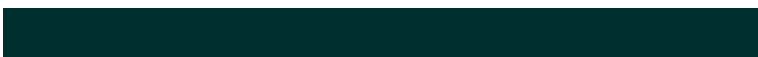
19.8645, 0.1843, 0.1714



15.4829, 0.2982, 0.3281



31.7287, 0.2216, 0.3177



2.2262, 0.2221, 0.3195

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



22.3230, 0.3286, 0.1642



27.9005, 0.3303, 0.1593



33.7476, 0.5054, 0.4225



13.9266, 0.3143, 0.3067



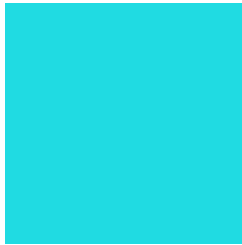
12.1111, 0.3301, 0.1592



0.8422, 0.3286, 0.1584

Previews

White Background



This preview shows how the Yxy color 56.4611, 0.2242, 0.3192 looks on a white background.

Color Contrast Check

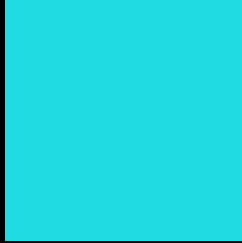
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 56.4611, 0.2242, 0.3192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

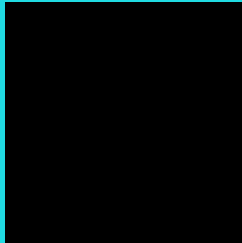
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.4611, 0.2242, 0.3192

Background



This preview shows how black text looks on a background with the Yxy color 56.4611, 0.2242, 0.3192.

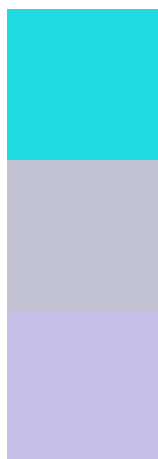


This preview shows how white text looks on a background with the Yxy color 56.4611, 0.2242, 0.3192.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

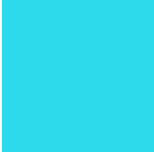
56.4611, 0.2242, 0.3192

Protanopia

55.4691, 0.3019, 0.3099

Deuteranopia

55.5312, 0.2888, 0.2829



Tritanopia

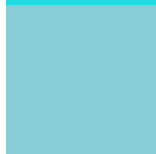
56.6764, 0.2220, 0.3061

Trichromacy



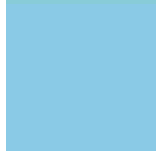
Original Color

56.4611, 0.2242, 0.3192



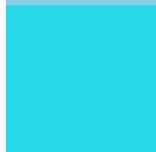
Protanomaly

53.3778, 0.2590, 0.3131



Deuteranomaly

53.3575, 0.2521, 0.2932



Tritanomaly

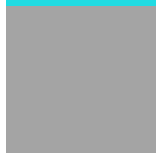
56.4201, 0.2226, 0.3099

Monochromacy



Original Color

56.4611, 0.2242, 0.3192



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

41.5818, 0.2599, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4611, 0.2242, 0.3192 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(32, 219, 226)` looks like.

```
.text, #text, p{  
    color:rgb(32, 219, 226)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(32, 219, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 219, 226) }
```

Border

The CSS property to change the border of an element to Yxy 56.4611, 0.2242, 0.3192 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(32, 219, 226) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(32, 219, 226) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(32, 219, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 219, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 219, 226);  
box-shadow:4px 4px 4px 4px rgb(32, 219,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4611, 0.2242, 0.3192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 219, 226) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(32, 219,  
226) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor